CLAIMS

1. A process for aiding the driving of a vehicle running over the ground,
wherein the following successive operations are carried out repetitively:
a) at least the current speed vO of the vehicle and a value acc corresponding to a deceleration of said vehicle are determined;
b) with the aid of these values vO and acc, the distance df to be traveled on the ground by the vehicle in order to reach a particular speed vf is calculated using the following expression:

$$df = \frac{vO^2 - vf^2}{2\,acc}$$

c) this distance df is presented to a driver of the vehicle with the aid of an appropriate means.

2. The process as claimed in claim 1,
wherein said particular speed vf is zero and corresponds to the stopping of the vehicle.

3. The process as claimed in claim 1,
wherein, for operation b), the stopping position of the vehicle is moreover calculated from said distance df and from the current position of said vehicle, and wherein, for operation c), this stopping position is moreover presented to the operator.

4. The process as claimed in claim 1,
wherein, for a vehicle in the deceleration phase, said value acc is the current deceleration of the vehicle.

5. The process as claimed in claim 1,
wherein, for a vehicle in the acceleration phase, said value acc is a predetermined deceleration value.

6. The process as claimed in claim 5,

wherein said predetermined deceleration value corresponds to the deceleration undergone by the vehicle during emergency braking.

7. A device for aiding the driving of a vehicle running over the ground,
which comprises:

- a first means (2) for determining the current speed vO of the vehicle;
- a second means (3) for determining a value acc corresponding to a deceleration of said vehicle;
- a calculation means (4) for calculating, with the aid of these values vO and acc, the distance df to be traveled on the ground by the vehicle in order to reach a particular speed vf by using the following expression:

$$df = \frac{vO^2 - vf^2}{2\,acc}$$

- a means of presentation (7) for presenting this distance df to a driver of the vehicle.

8. The device as claimed in claim 7,
wherein said first means (2) is an inertial platform of the vehicle.

9. The device as claimed in claim 7,
wherein said second means (3) is an inertial platform of the vehicle.

10. The device as claimed in claim 7,
which moreover comprises a means (9) for determining the current position of the vehicle.

11. The device as claimed in claim 7,
wherein said means of presentation (7) comprises a head-up display (12) which is arranged in proximity to the windscreen of the vehicle.

12. The device as claimed in claim 11,

wherein said display (12) is formed so as to display a symbol which corresponds, in the field of vision of a pilot, to the stopping position of the vehicle.

13. Aircraft,
which comprises a device for aiding driving (1), such as that specified under claim 7, to aid a pilot of the aircraft during the running of said aircraft over the ground.